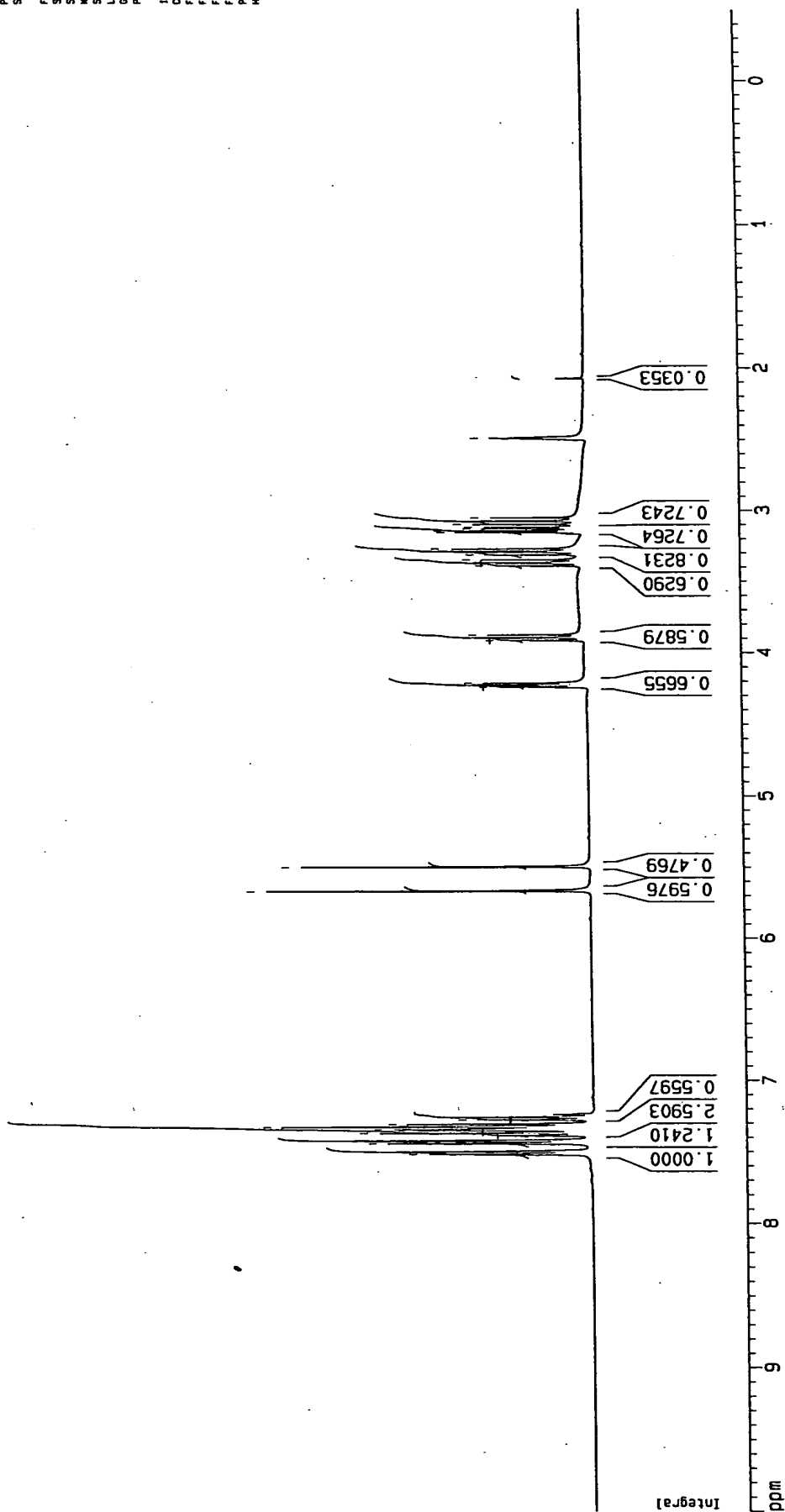


# APPENDIX 1

400MHZ H1

Current Data Parameters  
NAME E100  
PROCNO 1  
F2 - Acquisition Parameters  
Date\_ 2003013  
Time 6.24  
INSTRUM spect  
PROBHD 5 mm QNP 1H  
PULPROG zgpg30  
TD 32768  
SOLVENT Aceton  
NS 32  
DS 0  
SWH 7183.508  
FIDRES 0.219235  
AQ 2.2807028  
RG 228.1  
DM 69.600  
DE 6.00  
TE 300.0  
D1 1.0000000  
D11  
\*\*\*\*\* CHANNEL f1  
NUC1 1H  
P1 11.30  
PL1 0.00  
SFO1 400.132603  
F2 - Processing parameters  
SI 32768  
SF 400.130058  
WDW EM  
SSB 0  
LB 0.00  
GB 0  
PC 1.00  
ID INEFT plot parameters  
CX 25.00  
CY 10.000  
F1P 4091.30  
F2P -0.500  
F3P -200.07  
PP4CH 0.42000  
MTCN 168.05160

7.51738  
7.51334  
7.49664  
7.44177  
7.43808  
7.41998  
7.36645  
7.34774  
7.34039  
7.33589  
7.33213  
7.32306  
7.31887  
7.30386  
7.27365  
7.25566  
5.66520  
5.49553  
4.22873  
4.22244  
4.21105  
3.89657  
3.89283  
3.87487  
3.39203  
3.36688  
3.34896  
3.31376  
3.29602  
3.28814  
3.27040  
3.15445  
3.14309  
3.12881  
3.11748  
3.09821  
3.07626  
3.07325  
3.05122  
2.49540  
2.49088  
2.48640

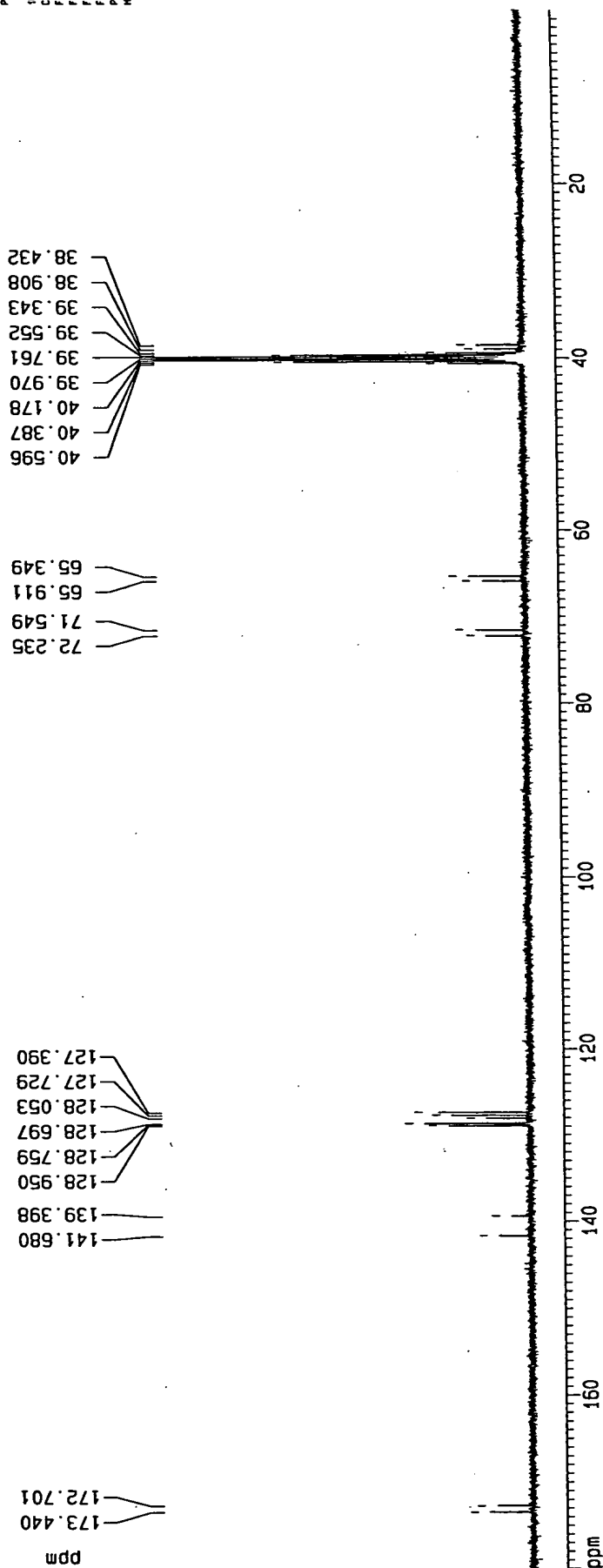


# APPENDIX 2

400MHz C13 ( 250p to -10p )

```

Current Data Parameters
NAME C1C-H40-81
EXPNO 400
PROCNO 2
F2 - Acquisition Parameters
Date_ 20030518
Time 13.27
INSTRUM spect
PROBHD 5 mm QNP 1H
PULPROG zgpg30
TD 65536
FIDRES 0.359445
AQ 1.2317875
RG 20842.5
DM 15.100
DE 10.00
TE 300.0
D1 2.00000000
d11 0.03000000
d12 0.00020000
***** CHANNEL f1
NUC1 13C
P1 9.50
PL1 -3.00
SFO1 100.6248023
***** CHANNEL f2
CPOPRG2 waltz16
NUC2 1H
PCPD2 88.00
PL2 120.00
PL12 10.00
PL13 22.1000
SFO2 400.1310000
F2 - Processing parameters
SI 32768
SF 100.6127895
WDW EM
SSB 0
LB 1.00
GB 0
PC 0.60
10 MS plot parameters
CK 25.00
FIP 180.000
F1 1810.30
F2 0.00
PPH2 7.20000
MZCX 724.4187
  
```



S2/CDC13,1H(5mm)

Archive directory: /export/home/vnmr1/vnmrsys/data  
Sample directory:  
File: PROTON

Pulse Sequence: s2pul

Solvent: CDC13

Temp: 30.0 C / 303.1 K

INOVA-500 "BNEC500"

Relax. delay 1.500 sec

Pulse 45.0 degrees

Acq. time 3.000 sec

Width 8000.0 Hz

16 repetitions

OBSERVE H1, 499.8436750 MHz

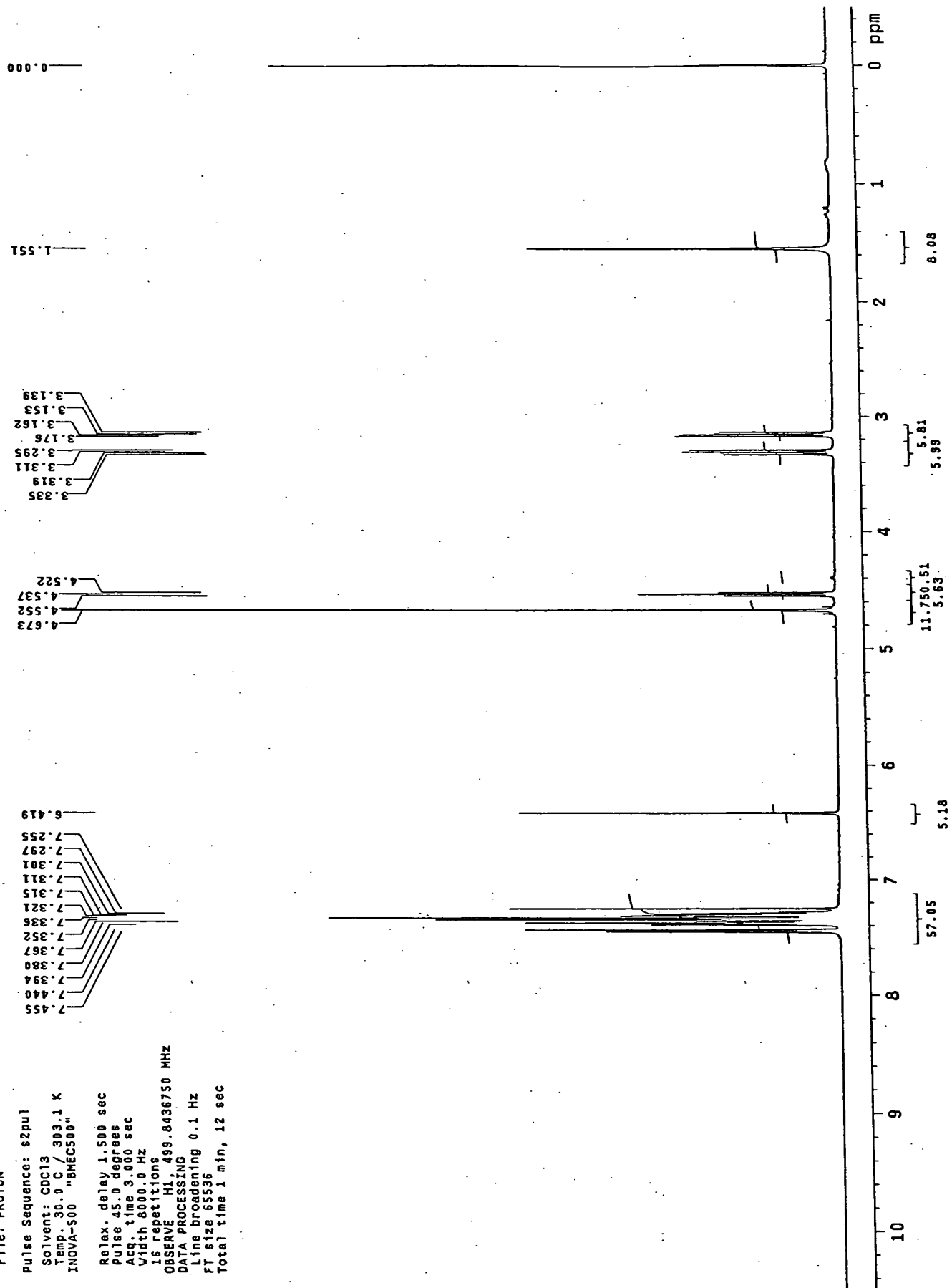
DATA PROCESSING

Line broadening 0.1 Hz

FT size 65536

Total time 1 min, 12 sec

## APPENDIX 3



S2/CDC13, 13C(5mm)

Pulse Sequence: s2pul

Solvent: CDC13

Temp. 30.0 C / 303.1 K

User: 1-14-87

INOVA-500 "8MECS90"

Relax. delay 2.000 sec

Pulse 42.4 degrees

Acq. time 1.042 sec

Width 3146.5 Hz

2000 repetitions

OBSERVE C13, 125.6857896 MHz

DECOUPLE H1, 499.8461695 MHz

Power 39 dB

Continuously on

WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 6 hr, 46 min, 47 sec

## APPENDIX 4

33.428

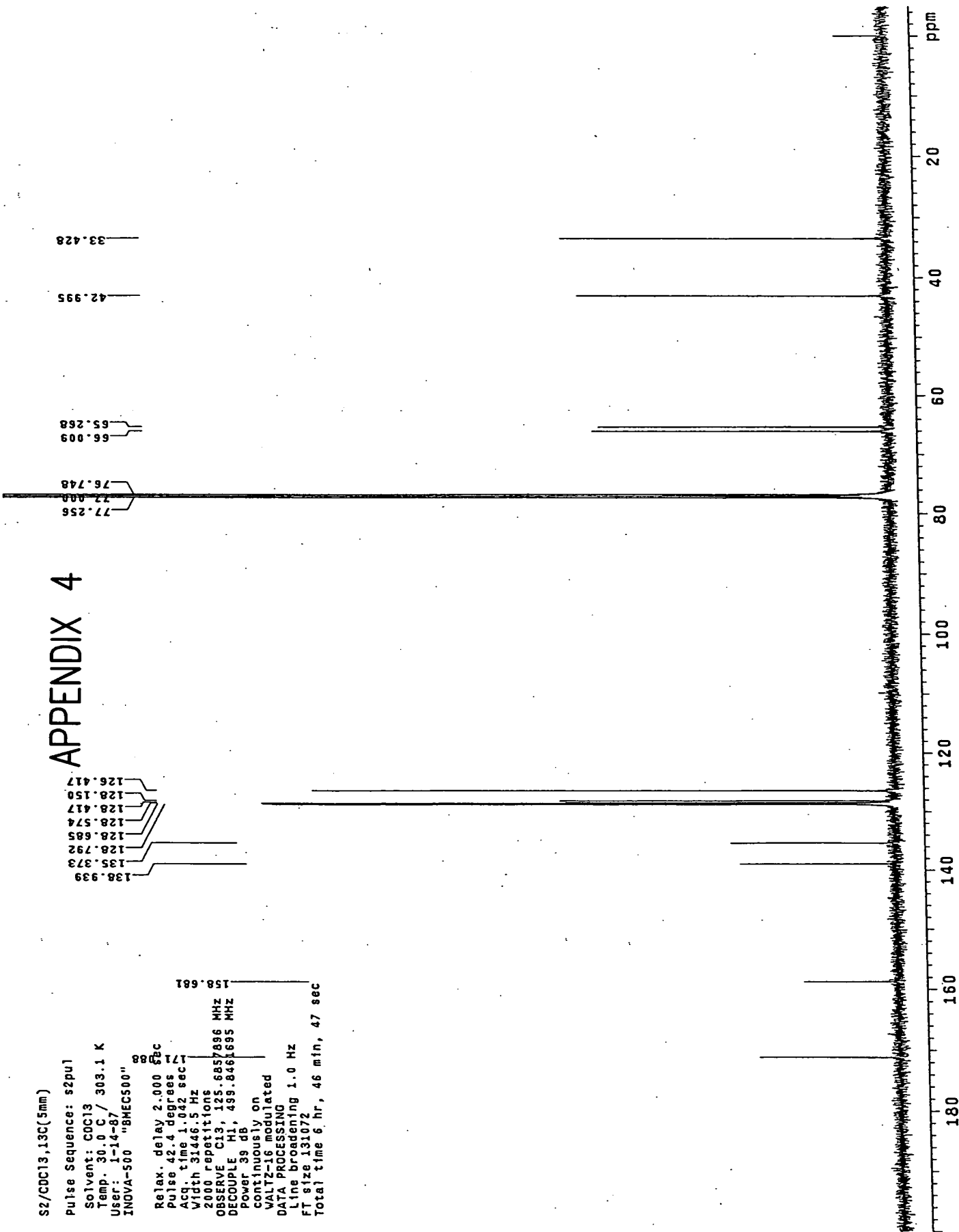
42.995

65.268  
66.009

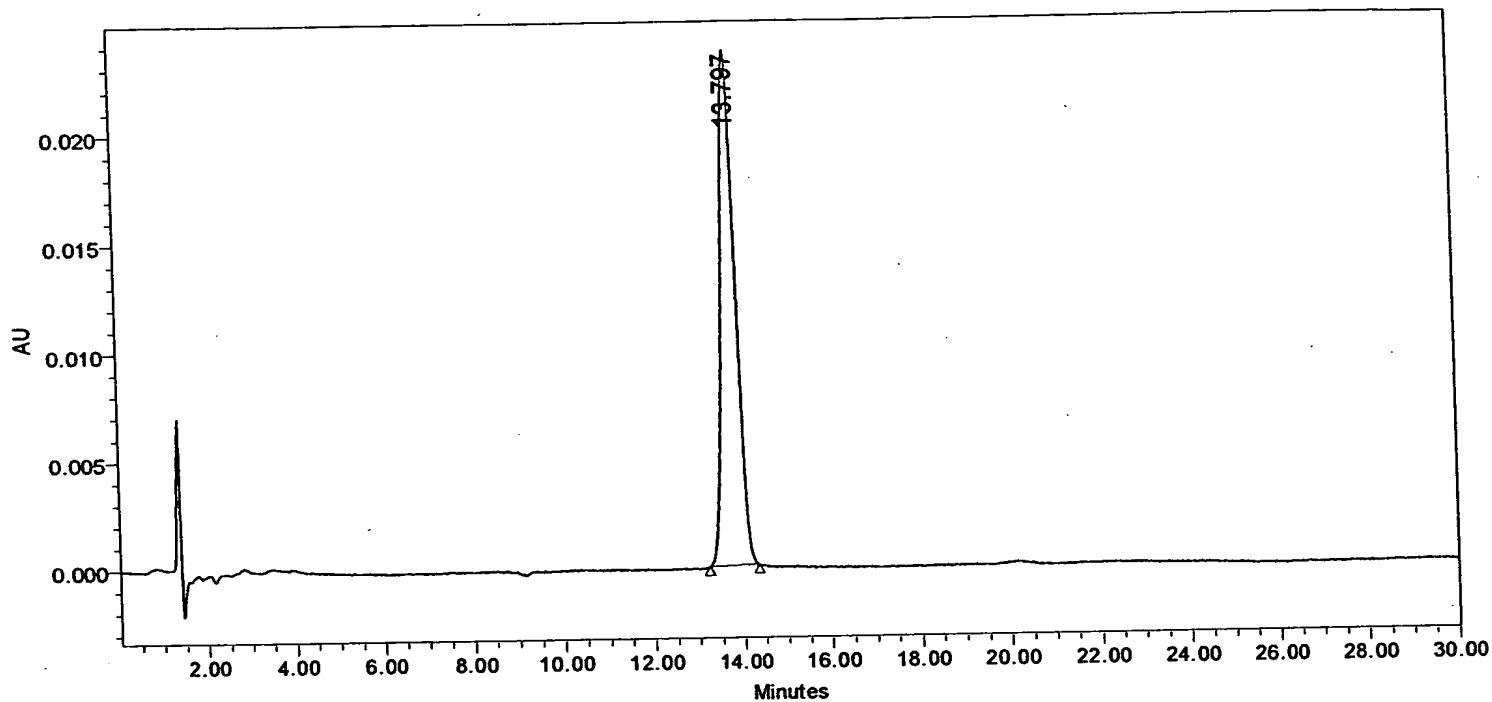
76.748  
77.256  
77.980

126.417  
126.150  
126.417  
128.574  
128.685  
128.792  
135.373  
138.939

158.681



# APPENDIX 5



	RT	Area	% Area	Height
1	13.797	556442	100.00	23734

## Analytical condition

### HPLC Type:

Pump : Waters 600E  
 Detector : Waters 2996 Photodiode Array Detector  
 Autosampler: Waters 717 plus  
 Mobile phase : 1% TEA, pH7.5 / MeOH = 40 / 60  
 Flow rate : 1.0 mL/min  
 Column : Inertsil 5 ODS-80A, 3.2\*250-mm  
 Column Oven : 40C  
 Wavelength : 254 nm